

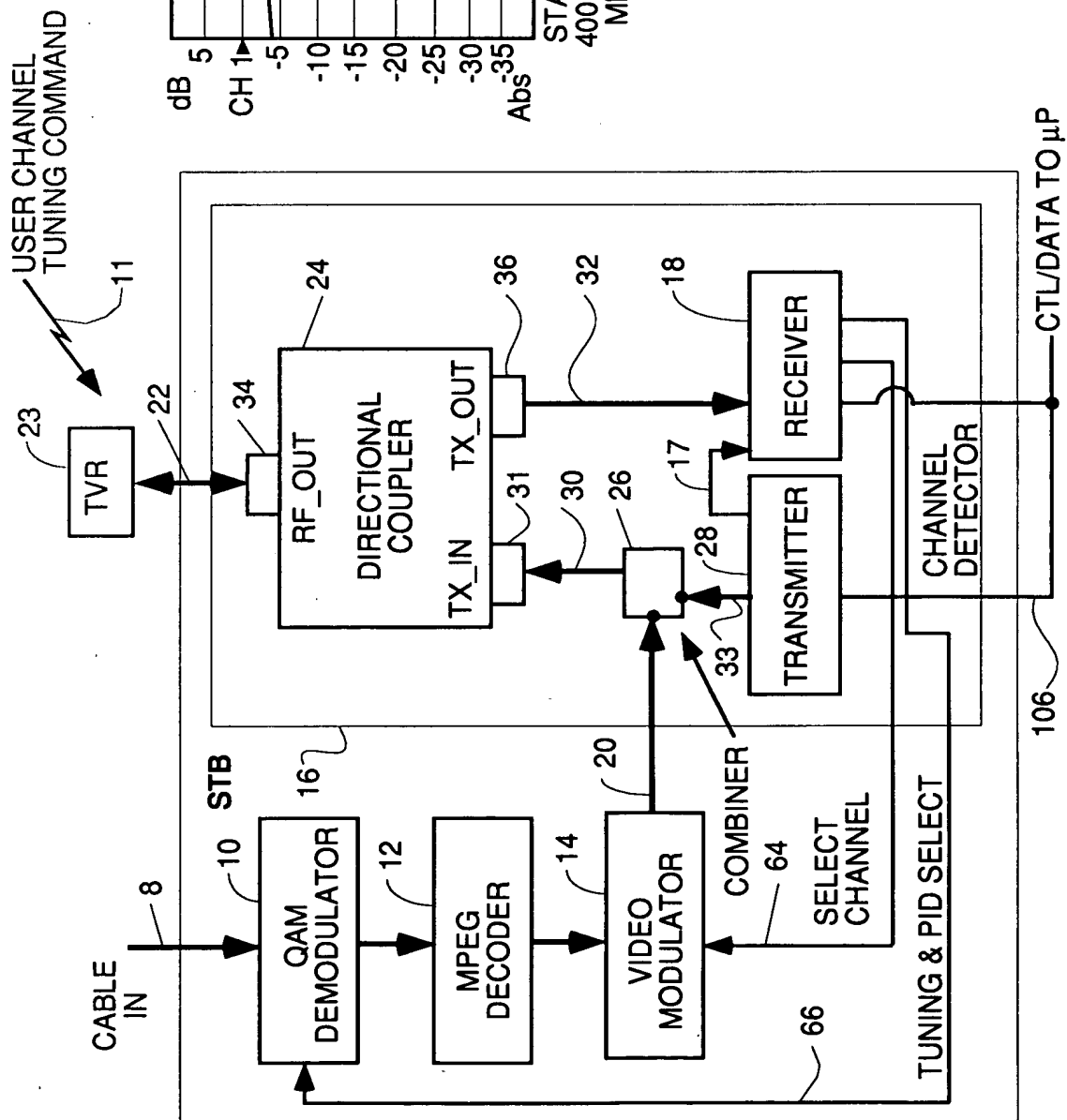
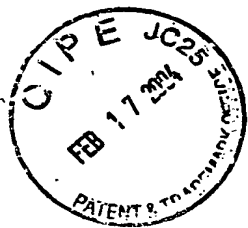


FIG. 1

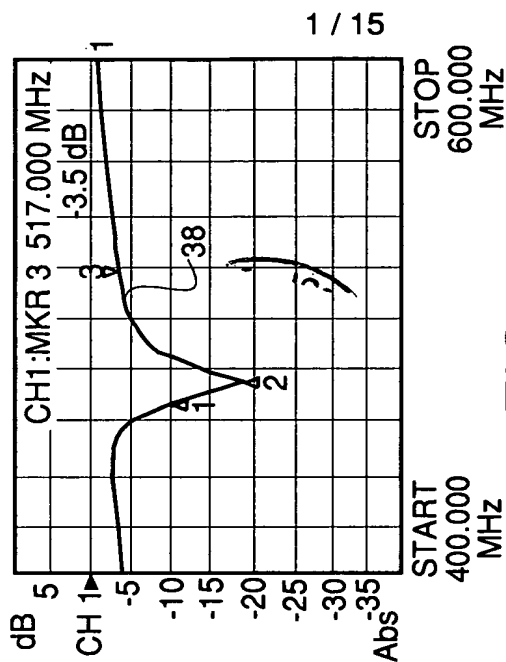


FIG. 2



PROCESS FOR USING RETURN LOSS TO DETERMINE CHANNEL TO WHICH TVR IS TUNED

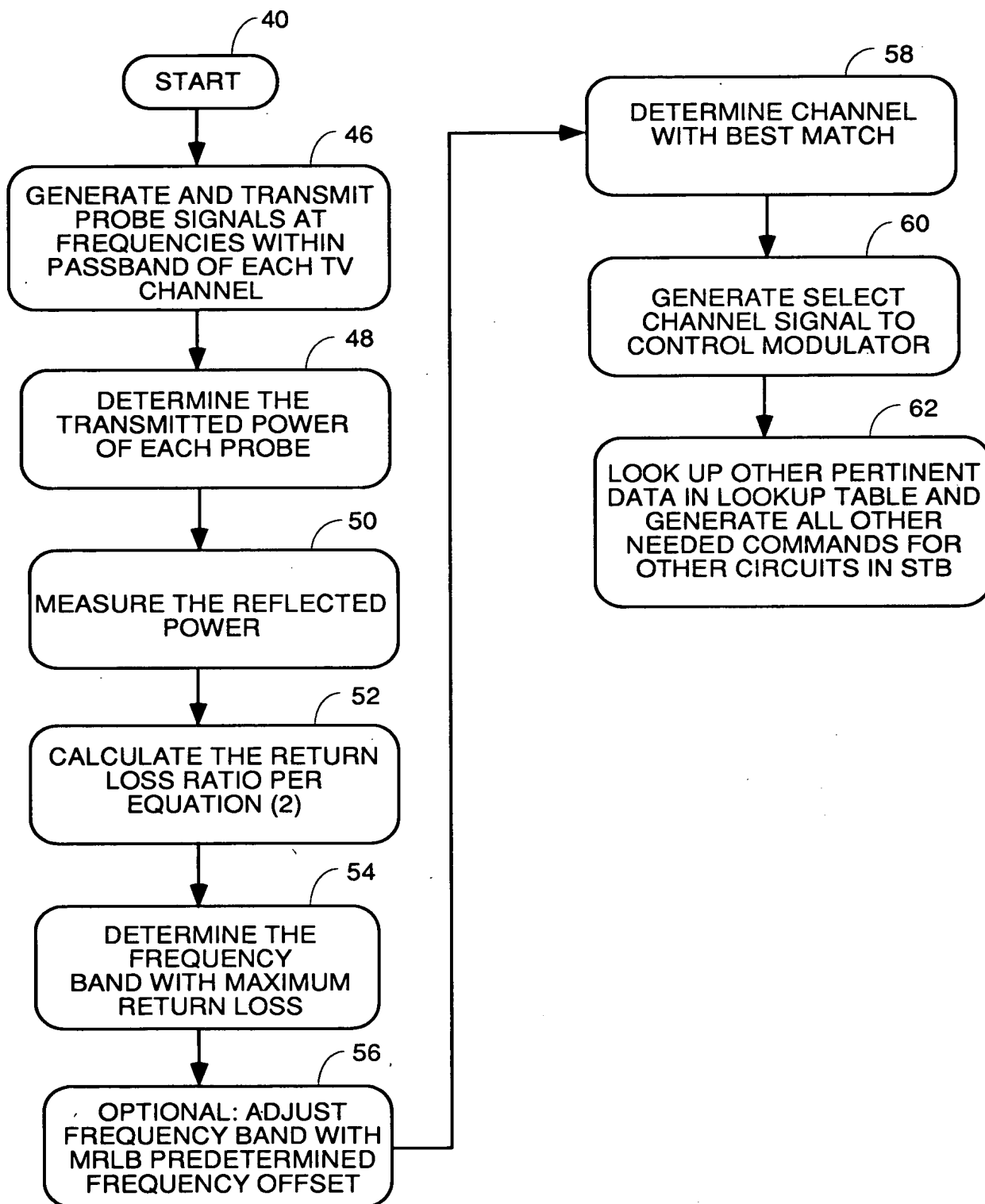


FIG. 3



3 / 15

PROCESS FOR USING RETURN LOSS TO VERIFY CHANNEL TO WHICH TVR IS TUNED AS DETERMINED FROM L.O. LEAKAGE RADIATION

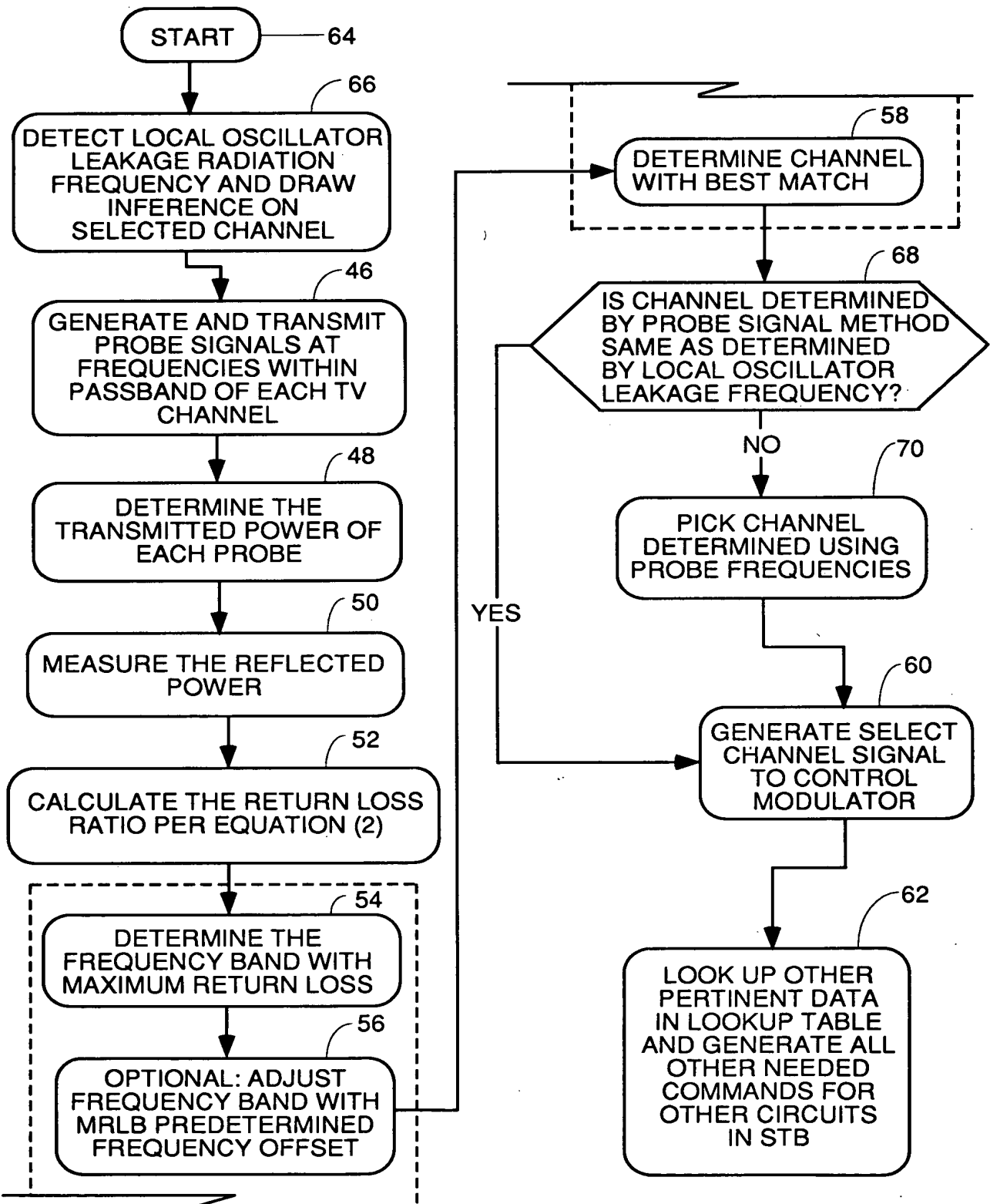
OR STEP
124 OF
FIG. 6

FIG. 4

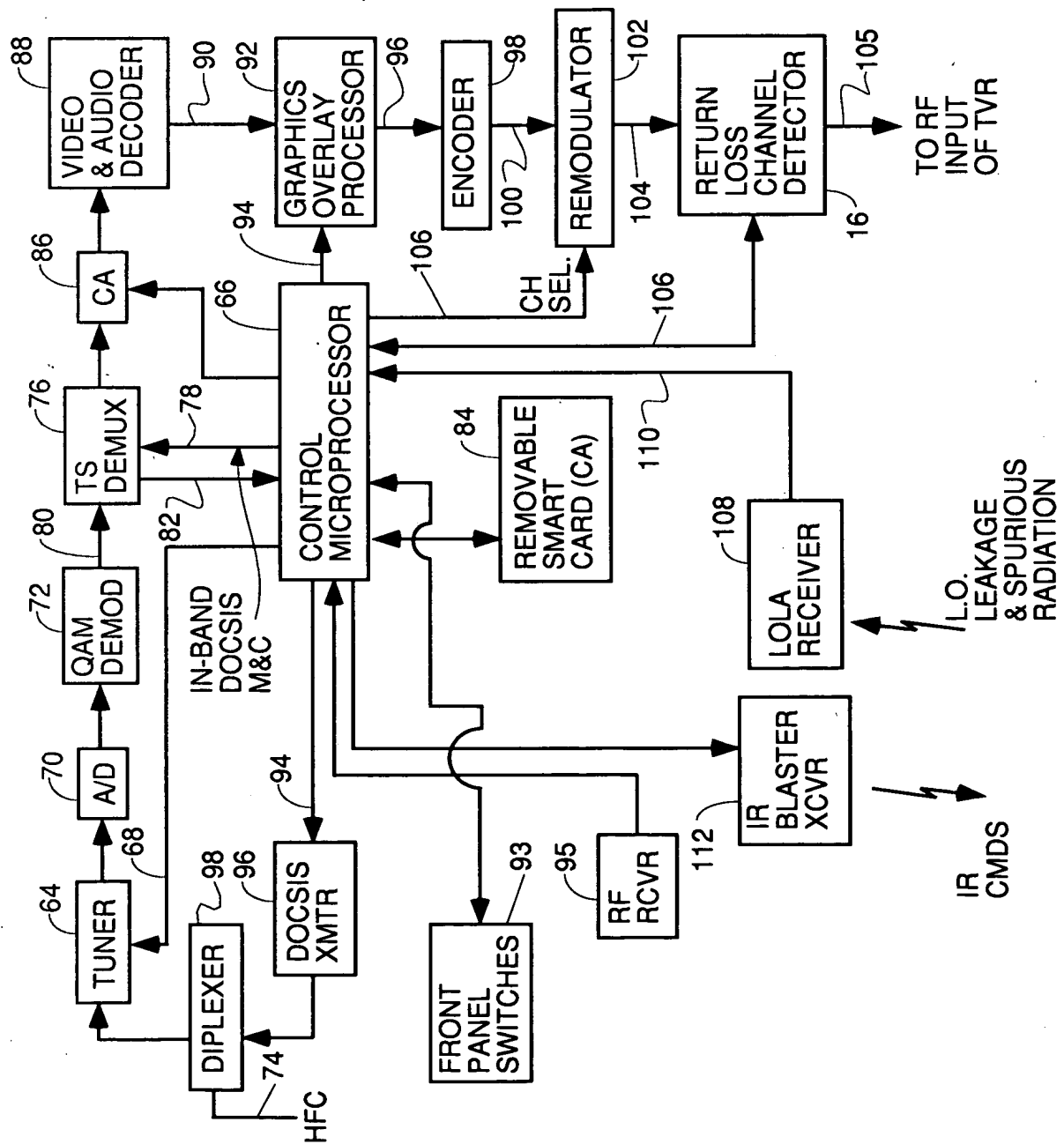


FIG. 5



5 / 15

PREFERRED PROCESS FOR DETECTING SELECTED CHANNEL USING RETURN LOSS SIGNATURE

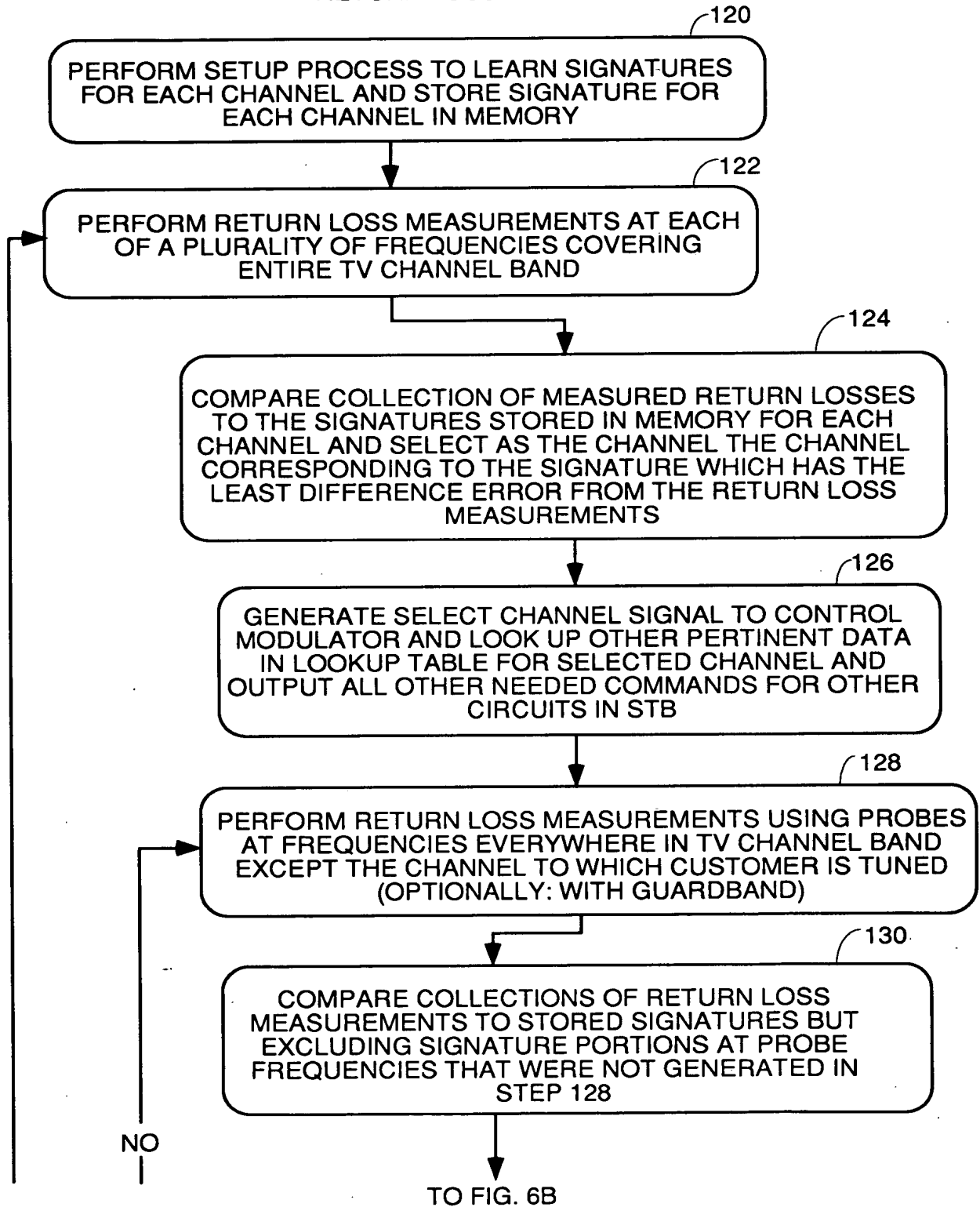


FIG. 6A

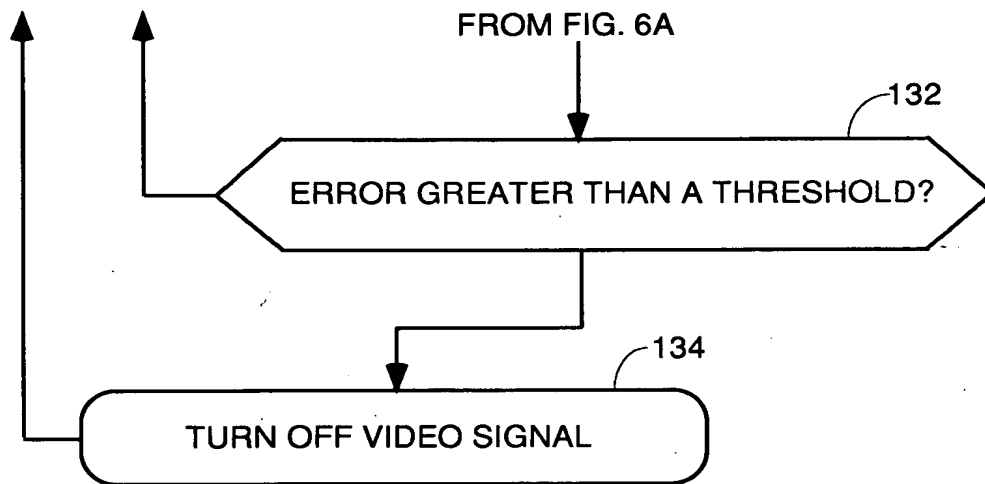


FIG. 6B



7 / 15

SETUP PROCESS FOR STB WITH BUILT IN IR BLASTER WITH UNIVERSAL REMOTE CAPABILITIES

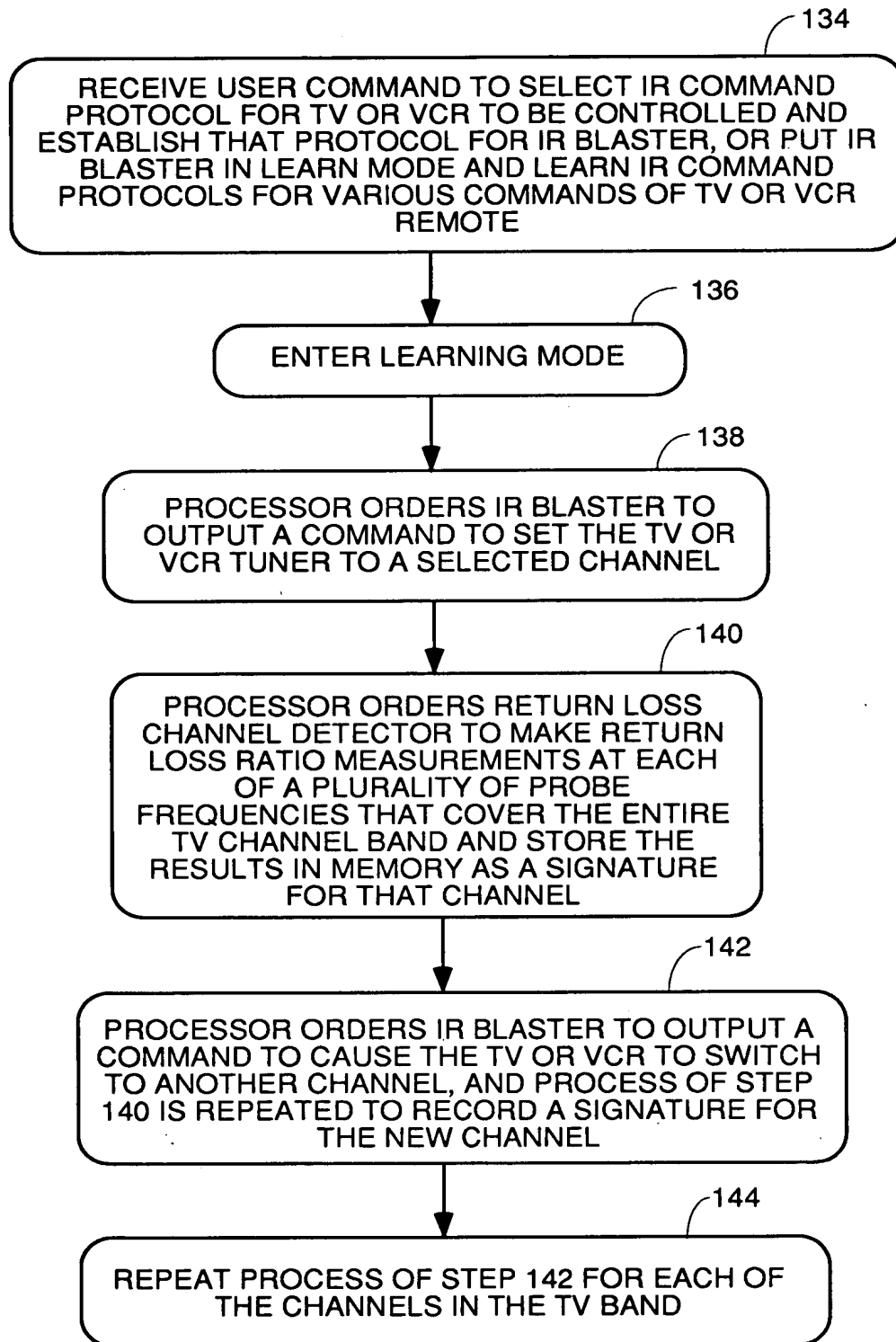
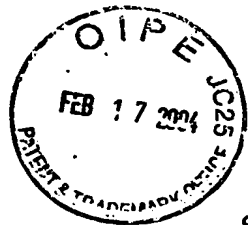


FIG. 7



8 / 15

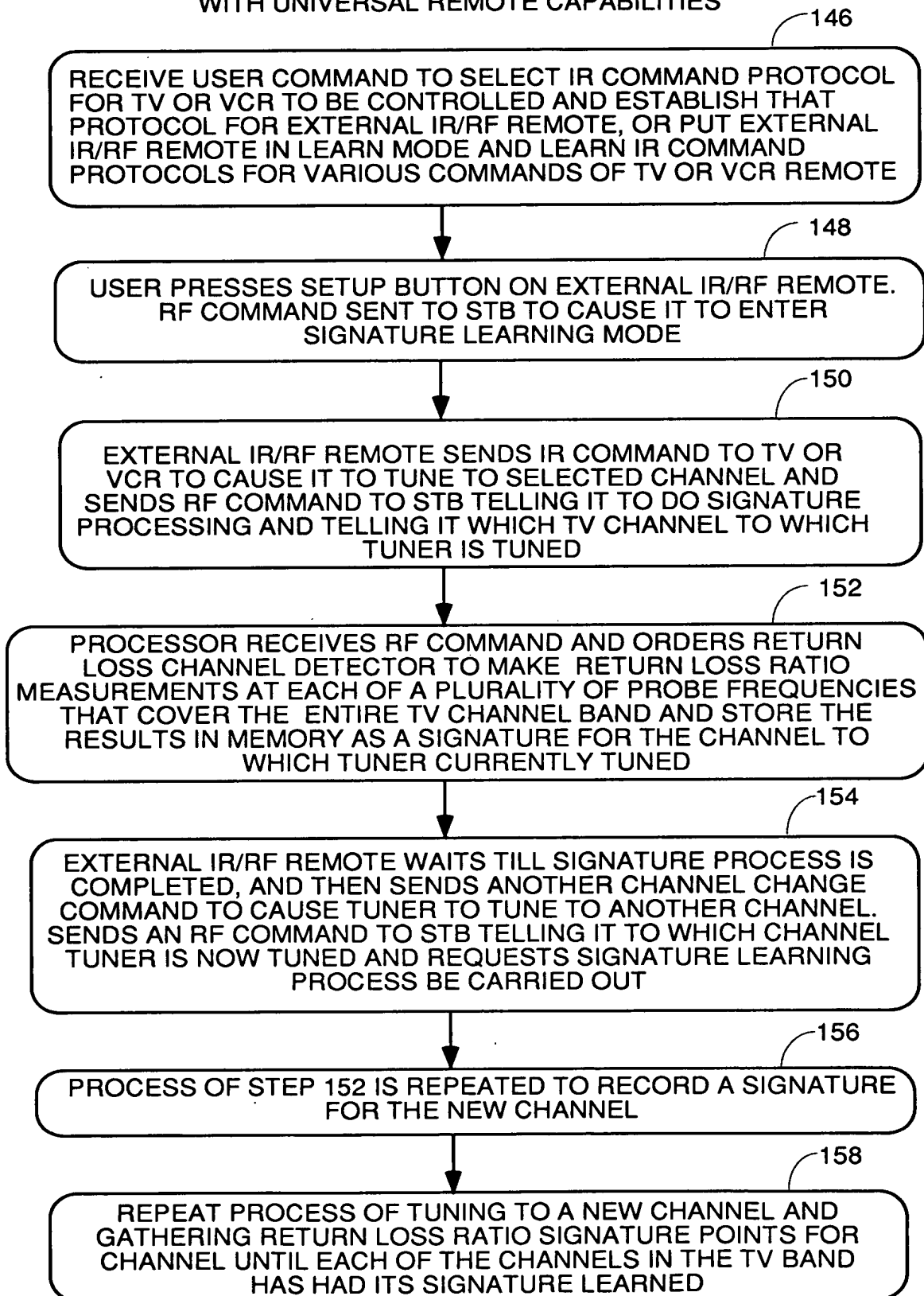
SETUP PROCESS FOR STB WITH EXTERNAL IR/RF REMOTE CONTROL
WITH UNIVERSAL REMOTE CAPABILITIES

FIG. 8



9 / 15

MANUAL SETUP PROCESS

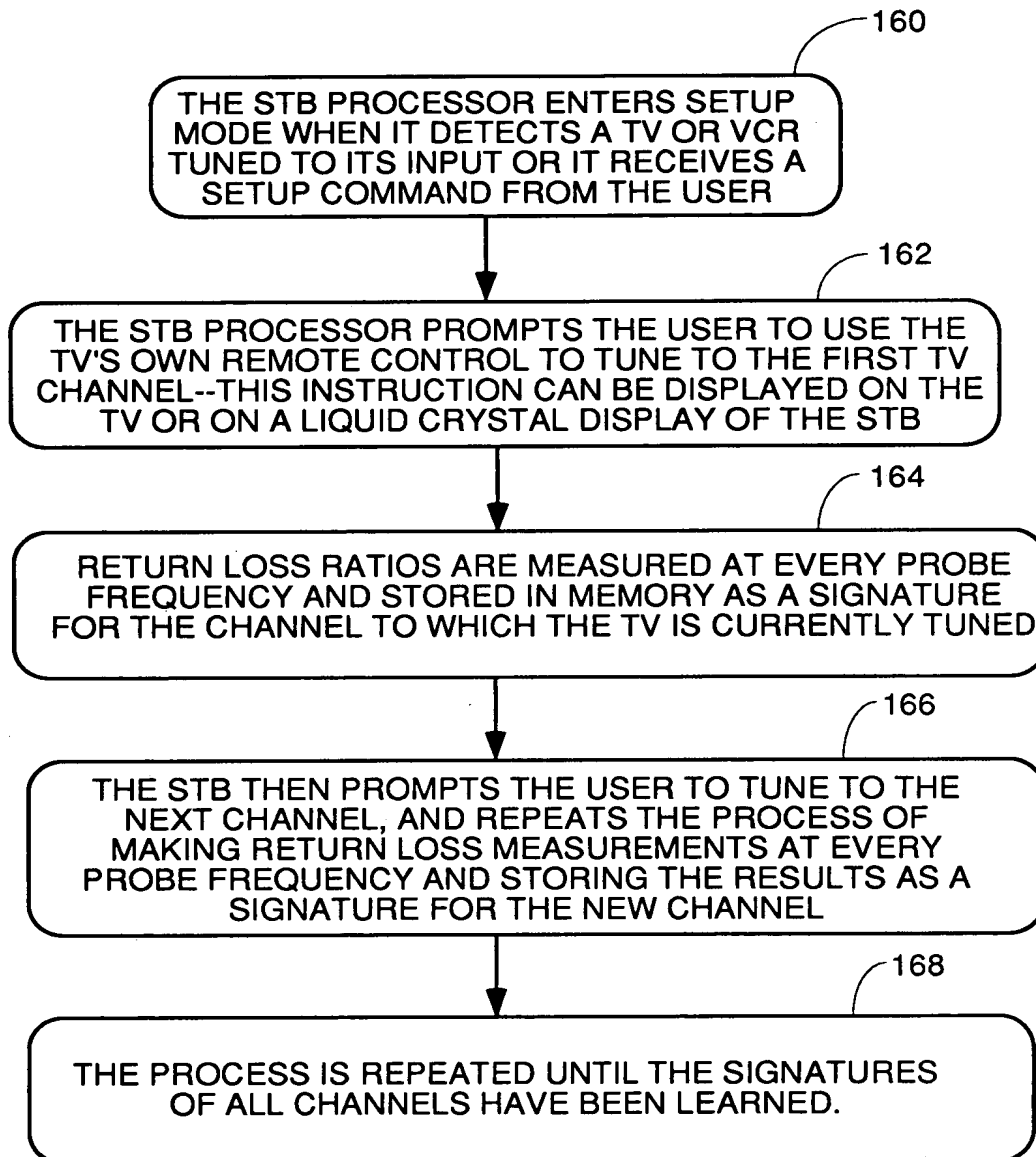


FIG. 9



SETUP AND CHANNEL DETECTION PROCESS USING LOCAL
OSCILLATOR LEAKAGE DETECTION

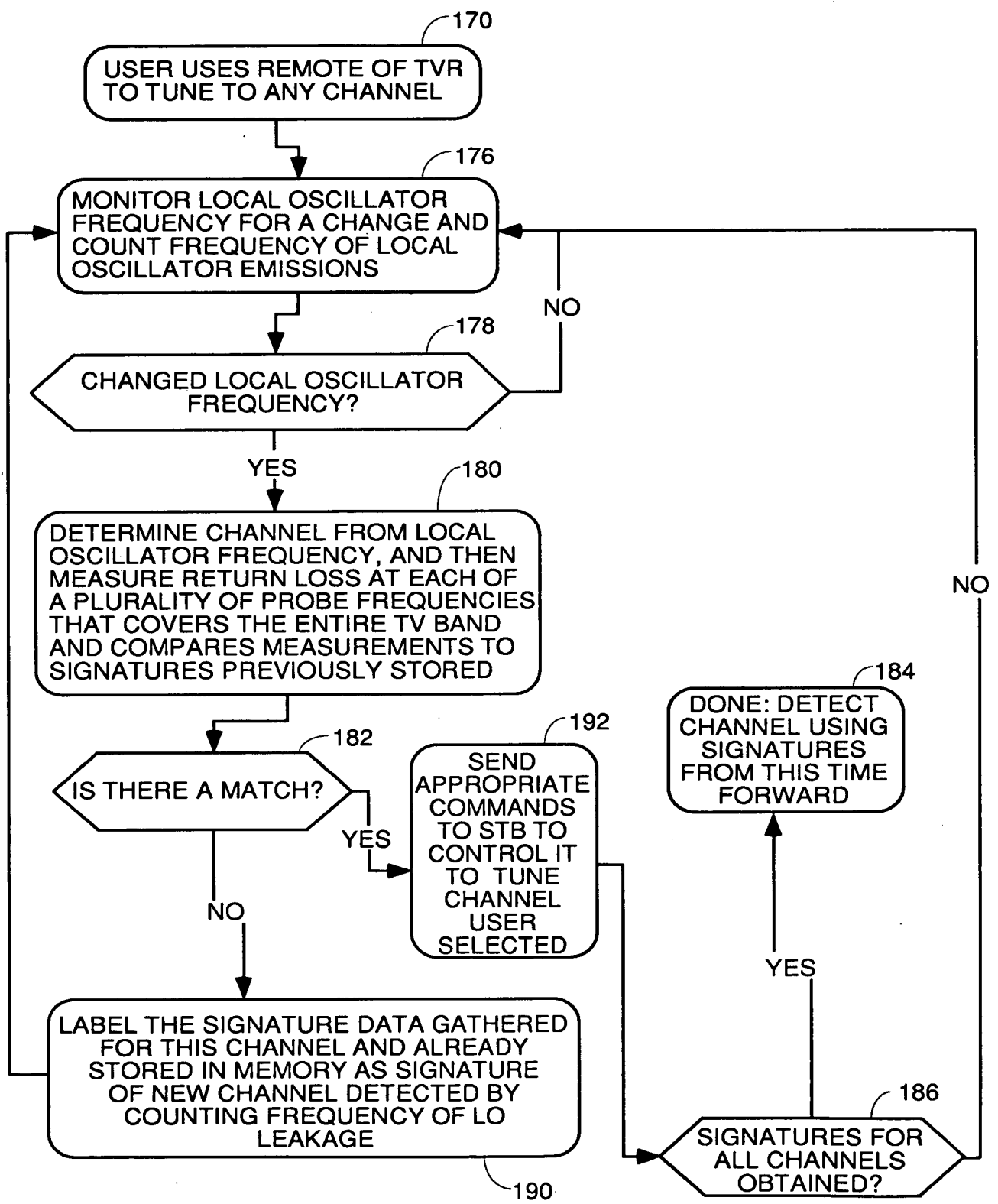


FIG. 10



11 / 15

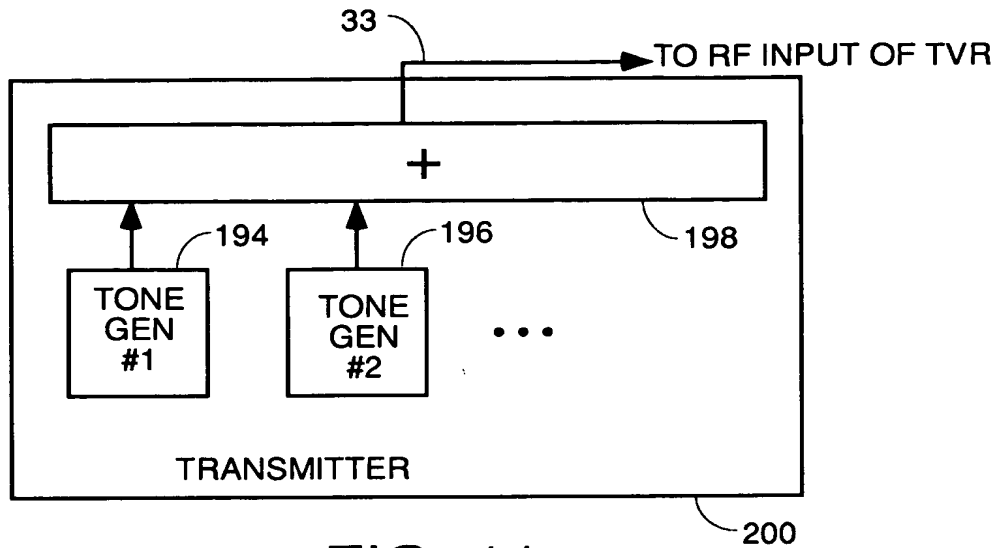


FIG. 11

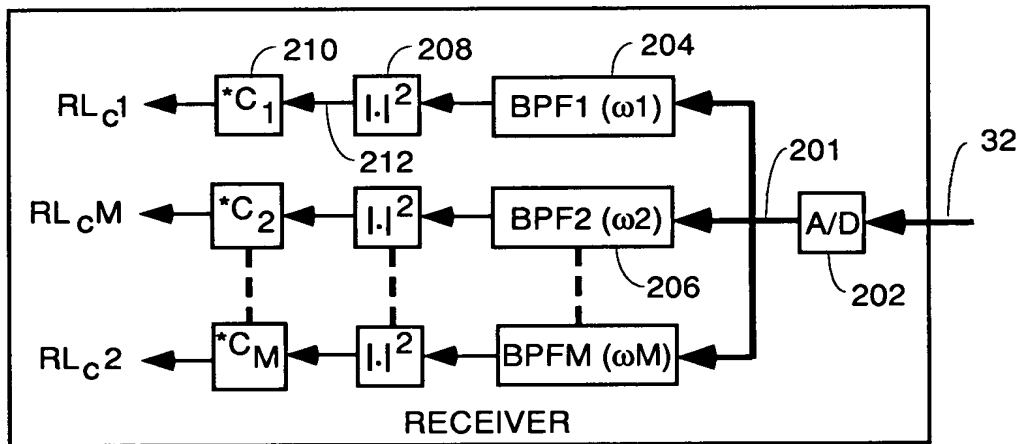


FIG. 12

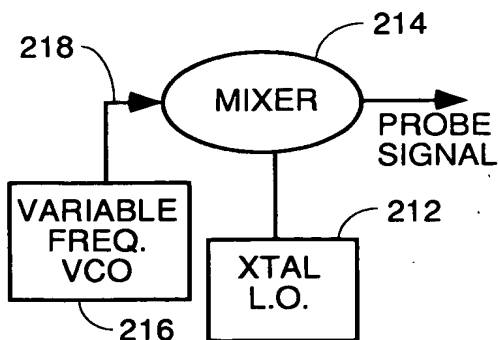


FIG. 13

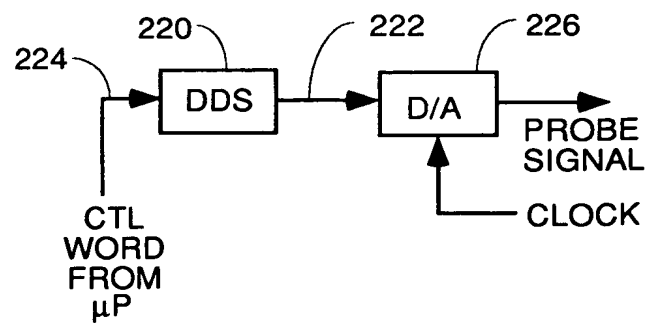


FIG. 14



Application No.: 10/684,182

Inventor: ARAD, et al.

Docket No.: TER-028.2P

Title: METHOD AND APPARATUS FOR DETERMINING CHANNEL TO WHICH A TV OR VCR IS TUNED

12 / 15

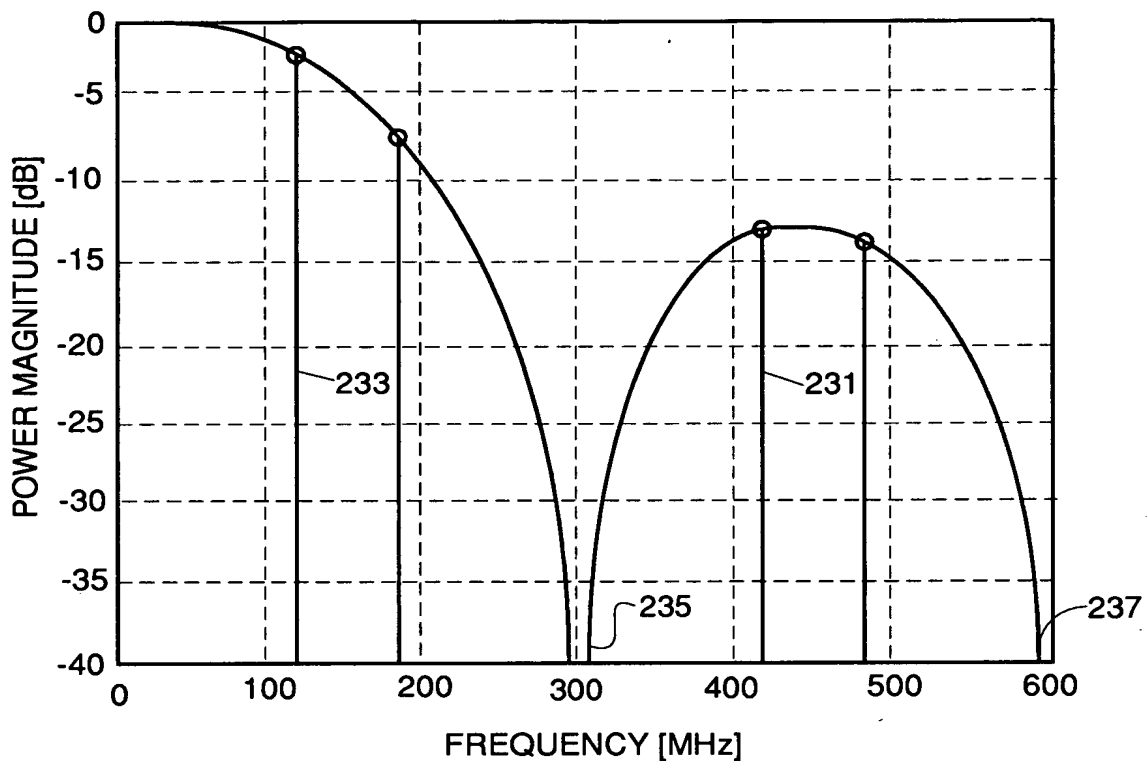


FIG. 15

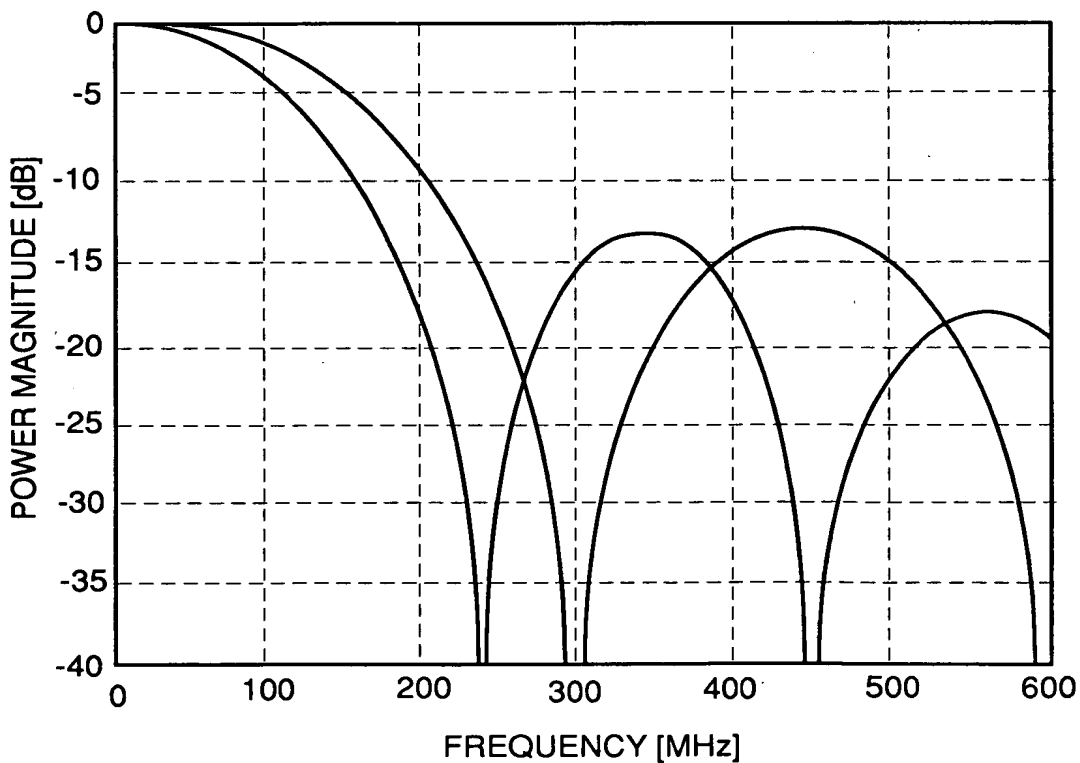
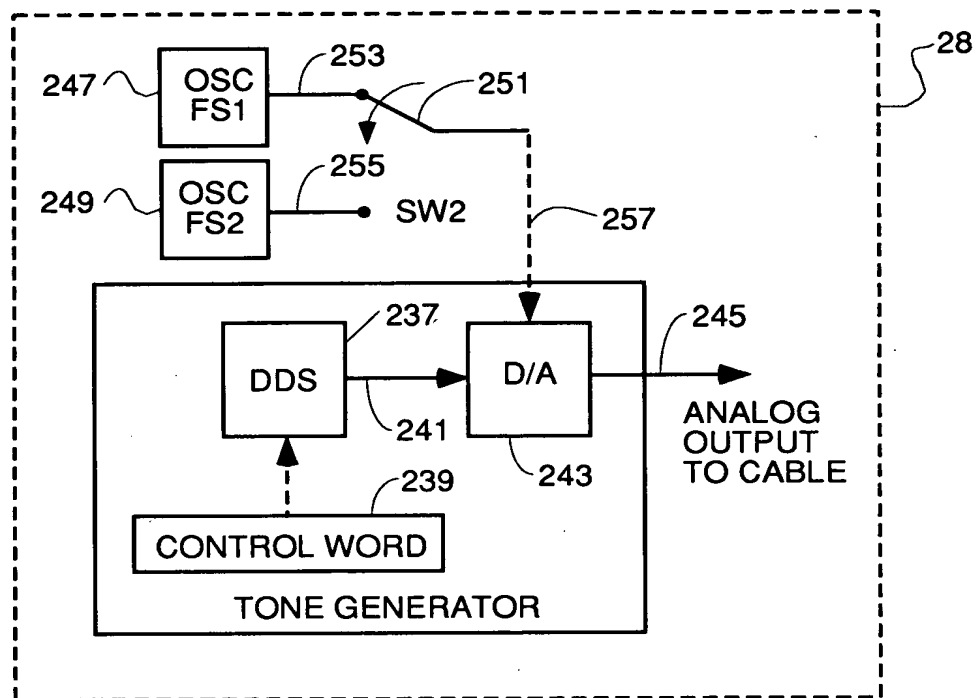


FIG. 16

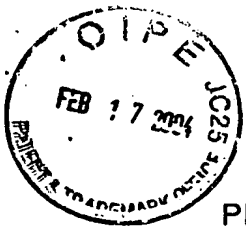


13 / 15



PREFERRED XMITTER

FIG. 17



14 / 15

PREFERRED METHOD TO GENERATE PROBE SIGNALS USING HARMONICS
AND USE PROBE SIGNALS TO MEASURE RETURN LOSSES AND STORE
SIGNATURE

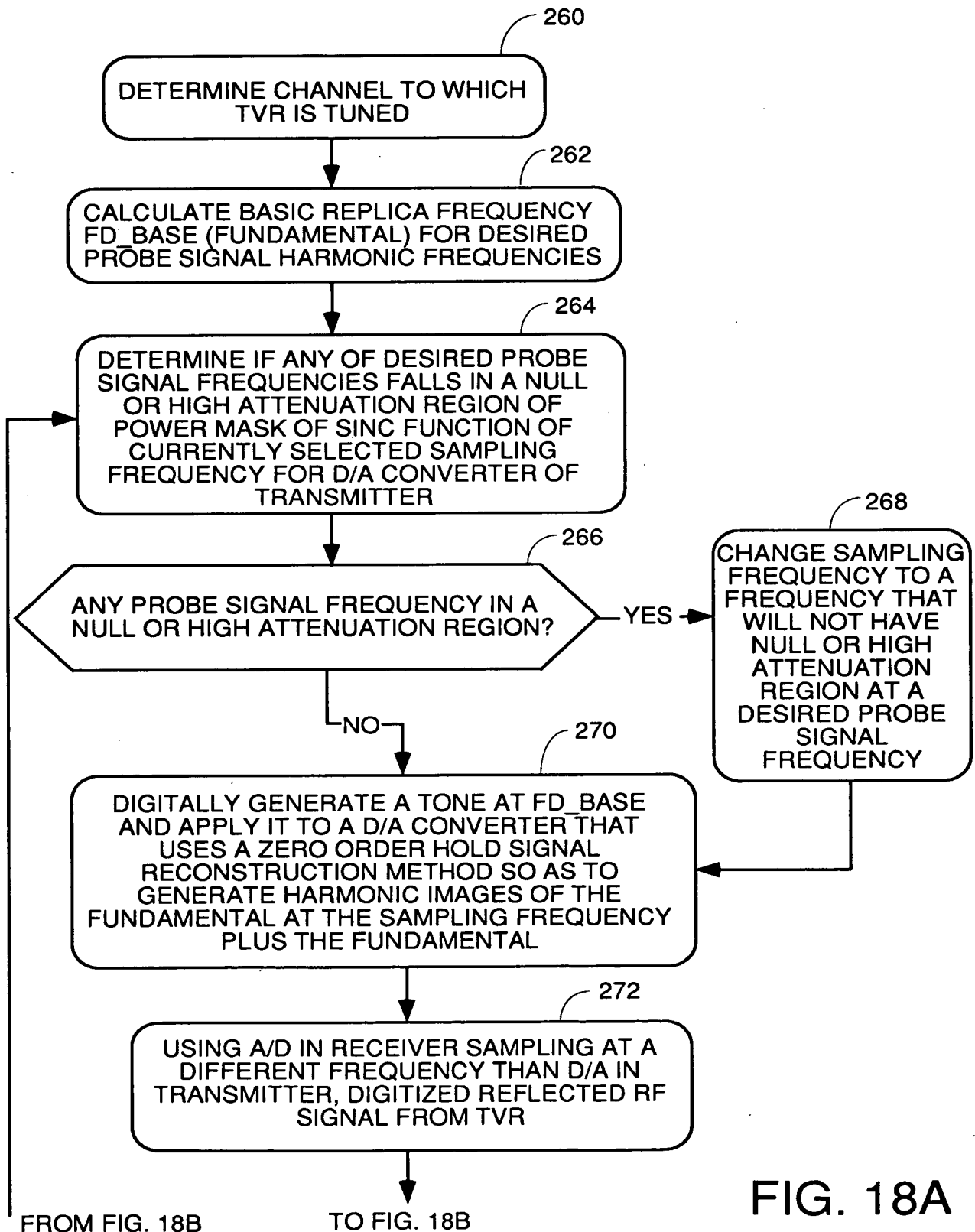


FIG. 18A

15 / 15



TO FIG. 18A

FROM FIG. 18A

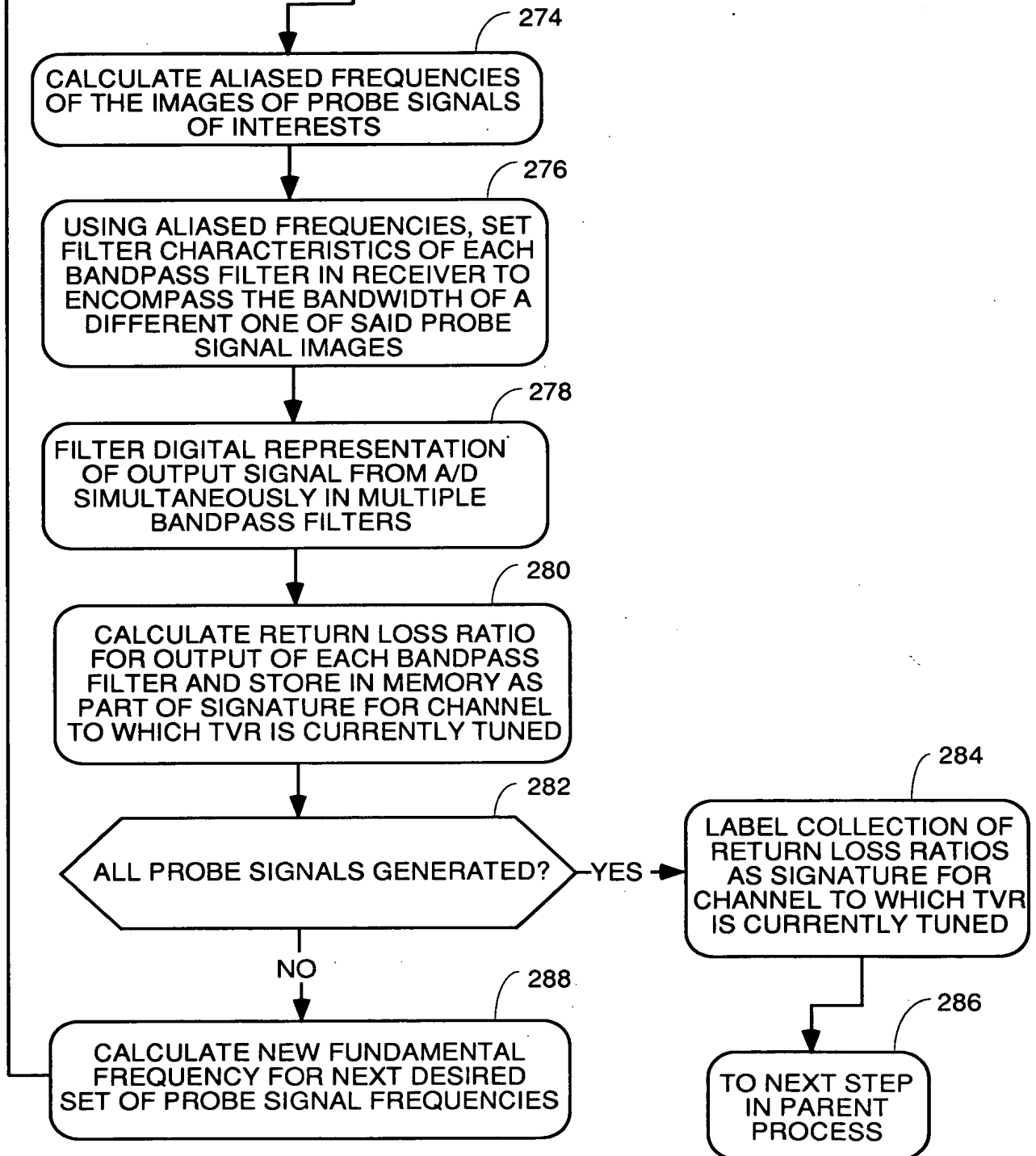


FIG. 18B